

## AMENDMENTS TO SPECIFICATION

Page 1, lines 1 through 10 change as follows:

### APPARATUS METHOD FOR ADAPTING AN EXISTING THERMAL IMAGING DEVICE

#### SPECIFICATION

##### Field of the Invention

This invention relates to ~~an apparatus a method for adapting existing thermal imaging devices employing uncooled focal plane arrays (UFPA) which heretofore have been used to take temperature measurements associated with conventional, predictive preventive maintenance PPM applications involved with an industrial process, or otherwise at the facility, so as now to enable these devices to provide for providing thermal images imaging in unique situations, for example the thermal imaging of the wall surface of tubes used in direct-fired processes, such as refineries and power plants process heaters, and to such an apparatus which further allows for temperature measurements associated with conventional, predictive preventive maintenance PPM applications involved with the industrial process, or otherwise at the facility, as the user identifies and selects.~~

Page 5, line 29 through page 6, line 1, change as follows:

Towards the accomplishment of these and other objectives and advantages which will become apparent from a reading of this specification taken together with the accompanying drawings there is provided a ~~device~~ method for adapting existing thermal imaging devices used in low temperature applications so as to be able to determine the temperature for thermal imaging of target surface(s) having different temperatures within a range of temperatures of interest between a high and low temperature of -40°C to 2000°C. The thermal imaging takes

place through intervening media having a known transmission wavelength. The target surface(s) have a known absorptive wavelength.